CONNECTION PERFECTION

# USB 2.0 Video & Audio Grabber

## User Manual *English*

**LINDY No. 42886**

**www.lindy.com**

CE

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## Introduction

Thank you for purchasing the LINDY USB 2.0 Video & Audio Grabber. The USB 2.0 Video & Audio Grabber allows you to connect your camcorder or VCR to your computer to transfer audio and full motion video for storage, backup, copying and editing. With the supplied Ulead VideoStudio 10 application you'll be able to create professional looking results which you can copy to CD or DVD, or e-mail to family and friends.

## Features

- High speed USB 2.0 support for superior performance
- Easy Plug & Play installation
- Snapshot image capture function
- Powered by the USB bus – no external power supply required
- Motion capture: up to 25fps @ 720 x 576 (PAL), 30fps@ 720 x 480 (NTSC)
- Supports MPEG 1, MPEG 2 and MPEG 4 encoding formats
- Left & Right RCA audio input
- Composite video & S-Video inputs
- NTSC & PAL support
- Overall length: 260mm (approx.)

## Minimum System Requirements

- USB 2.0 equipped computer
- Pentium III CPU (or equivalent), 800 MHz or above
- 256MB RAM
- Windows Vista, Windows XP (SP1) or Windows 2000 (SP3)
- CD or DVD drive

## Package Contents

- LINDY USB 2.0 Video & Audio Grabber
- Driver and Ulead software application CD
- This manual

## Product Information

**USB 2.0 connector:** Connects directly to a USB 2.0 port on your computer. This product is not designed for use with the USB 1.1 interface nor should you connect it to a non-powered USB 2.0 hub

**Audio inputs:** Connects to the left & right audio outputs from your external device (e.g. VCR)

**Composite video input:** Connects to the Composite video output from your device

**S-Video input:** Connects to the S-Video output from your external device

# Device Installation

**Note: You must install the driver software BEFORE connecting the Video & Audio Grabber to your PC!**

1. Insert the **Installation** CD into your CD/DVD drive. If the Autorun screen does not show, launch the following setup program:

   **E:\Setup.exe**
   (Assuming 'E' is your CD/DVD drive)

Restarting Windows
Setup has finished copying files to your computer. Before you can use the program, you must restart your computer.
Choose one of the following options and click OK to finish setup.
Yes, I want to restart my computer now.
No, I will restart my computer later.
OK

2. The **InstallShield Wizard** will launch. Follow the on-screen instructions to install the driver. When the driver installation is complete you will be asked to restart your computer.

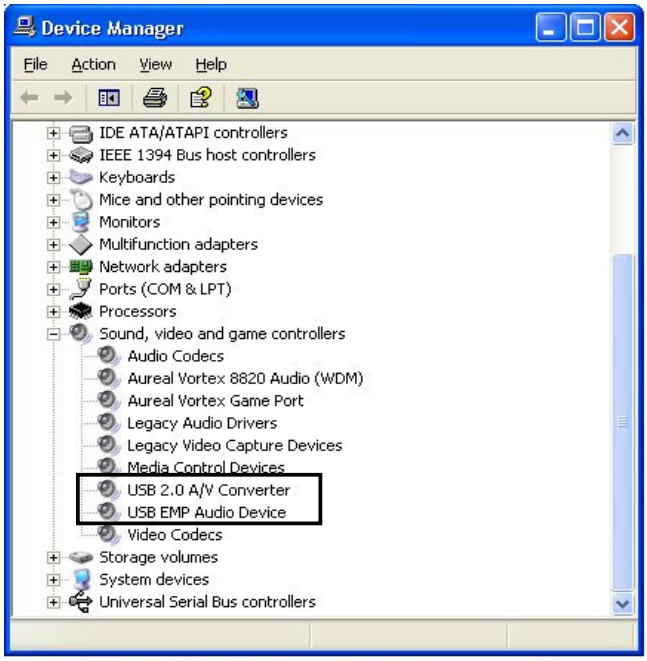
   Select: **Yes, I want to restart my computer now**, and then click **OK**.

3. After the computer has restarted and booted into Windows, you can plug the Video & Audio Grabber into one of your computer's USB 2.0 ports. Windows will automatically detect and set up the device.

4. You can confirm the correct installation by launching Windows **Device Manager**:

   Go to: **Start > Settings > Control Panel > System > Hardware > Device Manager**

   Check for the outlined entries –



# Installation Troubleshooting

***The Video Grabber is not detected by my PC!***

- Ensure any USB 2.0 settings are enabled in your PC's BIOS
- Make sure your system has the latest USB 2.0 host drivers installed
- For Windows XP, please upgrade to SP1 or above; for Windows 2000, upgrade to SP3 or above

***There is no display in the preview window!***

- Check that the device connected to the USB grabber is correctly switched on; ensure that the cable connections are correctly seated
- Depending on the connected device, check that the **Video Input** option is correctly set to either **Composite** or **S-Video**
- Make sure your system has the latest USB 2.0 host drivers installed
- For Windows XP, please upgrade to SP1 or above; for Windows 2000, upgrade to SP3 or above

***Why is the display resolution always 320 x 240 in preview mode?***

- Check that the video grabber is not plugged into a USB 1.1 port
- Make sure your system has the latest USB 2.0 host drivers installed

***The system shows:* 'High speed device plugged into Full speed USB port'!**

- Check that the video grabber is not plugged into a USB 1.1 port
- Make sure your system has the latest USB 2.0 host drivers installed

***Why do I get unstable video during preview and recording?***

- If you are using an Ultra DMA hard disk, please update the IDE ATA/ATAPI controller driver to the latest version

***How can I get a minimum number of dropped frames during video capture?***

The best recording performance depends on the specification of your PC, but you can also try some of the steps below to improve performance...

- Try lowering the resolution format you record
- Enable hard disk drive DMA; go to: **My Computer > Control Panel > System > Hardware > Device Manager > Disk Drives** to setup
- Keep a larger amount of free space on the hard disk
- Use a hard drive with a rotation speed higher than 7200rpm
- Disable power management settings in the PC's BIOS
- Avoid running other applications at the same time as using the video grabber
- Defrag your hard disk

***I can preview video but when recording, the system hangs or crashes!***

- Please install DirectX 9.0 or above
- Your display driver may be incompatible with direct draw; please update the VGA driver
- Try shutting down any unnecessary programs
- Lower the hardware acceleration, go to: **My Computer > Control Panel > Display > Settings > Advanced > Performance** to adjust

# Ulead Software Quick Guide

**For a full instruction manual on how to use this software, please refer to the Installation and Application CD included with this product.**

Ulead® VideoStudio® 10 SE is a video editing and DVD authoring software that lets anyone do more with video. Use wizards to create exciting slideshows and videos automatically or choose from a complete array of easy-to-use tools to take your videos further. Share your movies everywhere, from iPods to the latest high-definition home theatre systems.

## System Requirements

- Microsoft® Windows® 2000, Vista, XP Home Edition, Professional, Media Centre Edition and Professional x64 Edition
- Intel® Pentium® 4 or higher
- 256MB of RAM (512MB or above for editing)
- 1 GB or more of available hard drive space for program installation
- Windows-compatible display with at least 1024x768 resolution
- VGA display card setting: 24-Bit true color or above is recommended
- Windows compatible sound card
- CD-ROM, CD-R/RW or DVD-R/RW

Real-time features perform best with at least:

- Pentium 4, 2.0 GHz CPU
- 512MB of RAM
- 7200 rpm IDE hard drive

In the DV-to-DVD Wizard, if you plan to capture and burn an hour of DV tape, it is recommended that you have at least 20GB of available hard drive space

## Installing Ulead VideoStudio and drivers

To install Ulead VideoStudio and the necessary drivers, insert the CD in your CD-ROM drive and simply follow the on-screen installation instructions.

What are these drivers?

- **QuickTime 7.03:** The video format from Apple for creating and playing back movie files such as MOV and QT file formats. You should install QuickTime 7.03 or above to be able to use the Auto Music function (i.e., SmartSound QuickTracks®) in Ulead VideoStudio.
- **SmartSound Quicktracks:** This is a plug-in from SmartSound® that is integrated into Ulead VideoStudio. It gives you a library of quality soundtracks that you can add as background music to your movie projects.
- **RealPlayer 10.5:** This is a software player from RealNetworks for playing Real Video and Real Audio files from the Internet. It is recommended that you install this driver unless you have a later version.
- **Intel Indeo 5.2:** This is the codec for creating or playing .AVI files in QuickTime. You should install Intel Indeo 5.2 or above to be able to use the style templates in the Ulead VideoStudio Movie Wizard.
- **Acrobat Reader 7.07:** This is Adobe's Acrobat Reader and is used for viewing the Ulead VideoStudio's electronic manual. It is recommended that you install it unless you have a later version.
- **Microsoft DirectX:** A driver from Microsoft that improves playback performance of video files. You should install this driver. It will be installed automatically when you are installing Ulead VideoStudio.

- **Microsoft Windows Media Format:** A set of drivers from Microsoft that allows you to create WMV and other streaming media files. They will be installed automatically when you are installing Ulead VideoStudio.
- **Macromedia Flash Player 7:** This is a software player that allows you to play back flash animation files (SWF). VideoStudio comes with plenty of flash animation files that you can use for your video.

**Note:** If you have a previous version of Ulead VideoStudio installed in your system, it is recommended that you uninstall it only after installing Ulead VideoStudio SE. During installation, the Setup Wizard will auto-detect your capture device plug-in and specially supported codecs (such as MPEG-4, 3GP, DivX) from the previous VideoStudio version and integrate it onto VideoStudio SE.
However, if you installed Ulead VideoStudio 10 then you uninstalled the older version, program files and fonts that are used by both versions will also be deleted. To install them back to VideoStudio 10, double-click Add or Remove Programs in the Control Panel, select Ulead VideoStudio SE, click Change/Remove, then click Repair.

## Registering your copy of Ulead VideoStudio

Do not forget to register your copy of Ulead VideoStudio. You can do this in the registration window when you launch the program or by simply filling out the registration card and mailing it in. It is important to register your copy as it allows you to receive technical support and important product update information. You will also be getting the opportunity to win prizes as well as taking advantage of special promotions and discounts on other Ulead Systems' software.

## Program-related information

- Capture board requirements:
  When acquiring video from an analogue source, make sure that the analogue capture card you are using supports RGB or YUV capture.
- Startup Screen:
  When rendering title text against a pure background colour clip, the text may appear blurry. This is due to certain types of compression. For better results, try using the Video1, RLE, or no compression options.
- DV-to-DVD Wizard:
  a. If you plan to capture and burn an hour of DV tape, select all the scenes before you go to the next step and make sure that you have 20GB of available hard drive space. The whole process will take approximately 5 hours to complete.
  b. When scanning the DV tape using maximum speed, the detected scenes will vary every time you scan the tape. The scenes that are detected will depend on the type of DV camcorder used.
- Capture Step:
  To check MPEG capture settings, click the Options button in the Options Panel and select Video and Audio Capture Property Settings. In the dialog box that opens, click the Capture tab. To view more MPEG settings, click Advanced.
- Effect Step:
  Before applying the Album Flip transition effect to your clips, make sure that your system is updated with the latest display card driver.
- Title Step:
  1GB RAM is required if you want to insert more than 500 subtitles.
- Audio Step:
  Some VST audio plug-ins when applied to audio clips will make the clip silent. This

happens in multithreaded applications such as VideoStudio. Please contact the VST plug-in vendor to inquire about this problem.

- Share Step:

  a. To create an MPEG video file or DVD/VCD/SVCD-ready MPEG file:
    - Click the Create Video File button and select one of the movie templates from the pop-up menu, or select Same as Project Settings or Same as First Video Clip to output an MPEG file according to the project settings or the properties of the first clip in the Video Track.
      Or,
    - Click the Create Video File button and select Custom. Select MPEG files from the Save as type box, then click the Options button to specify the properties for the video file.

  b. The Movie Screen Saver option in Export only supports the WMV file format.

## Software Troubleshooting

- If you experience difficulty getting started with Ulead VideoStudio, use the online help or check the manual for information.
- When rendering a title text against a pure background colour clip, the text may appear blurry. This is due to certain types of compression. For better results, try using the Video1, RLE, or no compression options.
- The Video Greeting Card does not support QuickTime files.
- If you want to share and play your video on other machines, make sure you use a common codec, such as Cinepak, Indeo or MPEG. If you use a hardware codec, such as MJPEG, you may be unable to view the video unless the other machine has the same card on board.
- You may experience some problems when playing QuickTime files. Such as, the playback may not be smooth or the Stop button in the Navigator bar cannot switch back to the Start button after playing. In such cases, please change to safe mode in the QuickTime Video Settings. (You can do this by clicking the Control Panel: QuickTime icon.)
- Some camcorders (specifically some Panasonic models) have a small problem that prevents them from recording movies from your computer. If this is a problem, VideoStudio can be made to pause for a short time before transmitting the video to the camcorder. Find the msdevctl.ini file in the main program folder (in All Users.WINNT), open this file in Notepad and modify the following line where 1 second = 1000: [MainSec] RecordDelay=1000.
- Frame sizes supported by the Hitachi DVD Camcorder include:

  | | |
  |---|---|
  | 352 x 480 (NTSC) | 704 x 480 (NTSC) |
  | 352 x 576 (PAL) | 704 x 576 (PAL) |

- To avoid the problem of having not enough hard drive space when you capture or burn a disc, make sure that the folders that are assigned as the working folders for capturing and burning have plenty of free space. You can check this in the Preferences in the Video Editor and in the Advanced Settings dialog box in the DV-to-DVD Wizard.
- In DV-to-DVD Wizard, If you have more than one burner installed in your computer or the default drive is not a burner, specify the burner you want to use in the Advanced Settings dialog box.

## CE Certification

This equipment complies with the requirements relating to electromagnetic compatibility, EN55022/EN55024 class B for IEC/EN61000-4-2/3 the essential protection requirement of Council Directive 89/336/EEC on the approximation of the laws of the Member States relating to electromagnetic compatibility.

## WEEE (Waste of Electrical and Electronic Equipment), Recycling of Electronic Products

## United Kingdom

In 2006 the European Union introduced regulations (WEEE) for the collection and recycling of all waste electrical and electronic equipment. It is no longer allowable to simply throw away electrical and electronic equipment. Instead, these products must enter the recycling process.
Each individual EU member state has implemented the WEEE regulations into national law in slightly different ways. Please follow your national law when you want to dispose of any electrical or electronic products. More details can be obtained from your national WEEE recycling agency.

## Germany

Die Europäische Union hat mit der WEEE Direktive umfassende Regelungen für die Verschrottung und das Recycling von Elektro- und Elektronikprodukten geschaffen. Diese wurden von der Bundesregierung im Elektro- und Elektronikgerätegesetz – ElektroG in deutsches Recht umgesetzt. Dieses Gesetz verbietet vom 24.März 2006 an das Entsorgen von entsprechenden, auch alten, Elektro- und Elektronikgeräten über die Hausmülltonne! Diese Geräte müssen den lokalen Sammelsystemen bzw. örtlichen Sammelstellen zugeführt werden! Dort werden sie kostenlos entgegen genommen. Die Kosten für den weiteren Recyclingprozess übernimmt die Gesamtheit der Gerätehersteller.

## France

En 2006, l'union Européenne a introduit la nouvelle réglementation (DEEE) pour le recyclage de tout équipement électrique et électronique.
Chaque Etat membre de l' Union Européenne a mis en application la nouvelle réglementation DEEE de manières légèrement différentes. Veuillez suivre le décret d'application correspondant à l'élimination des déchets électriques ou électroniques de votre pays.

## Italy

Nel 2006 l'unione europea ha introdotto regolamentazioni (WEEE) per la raccolta e il riciclo di apparecchi elettrici ed elettronici. Non è più consentito semplicemente gettare queste apparecchiature, devono essere riciclate. Ogni stato membro dell' EU ha tramutato le direttive WEEE in leggi statali in varie misure. Fare riferimento alle leggi del proprio Stato quando si dispone di un apparecchio elettrico o elettronico.
Per ulteriori dettagli fare riferimento alla direttiva WEEE sul riciclaggio del proprio Stato.

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